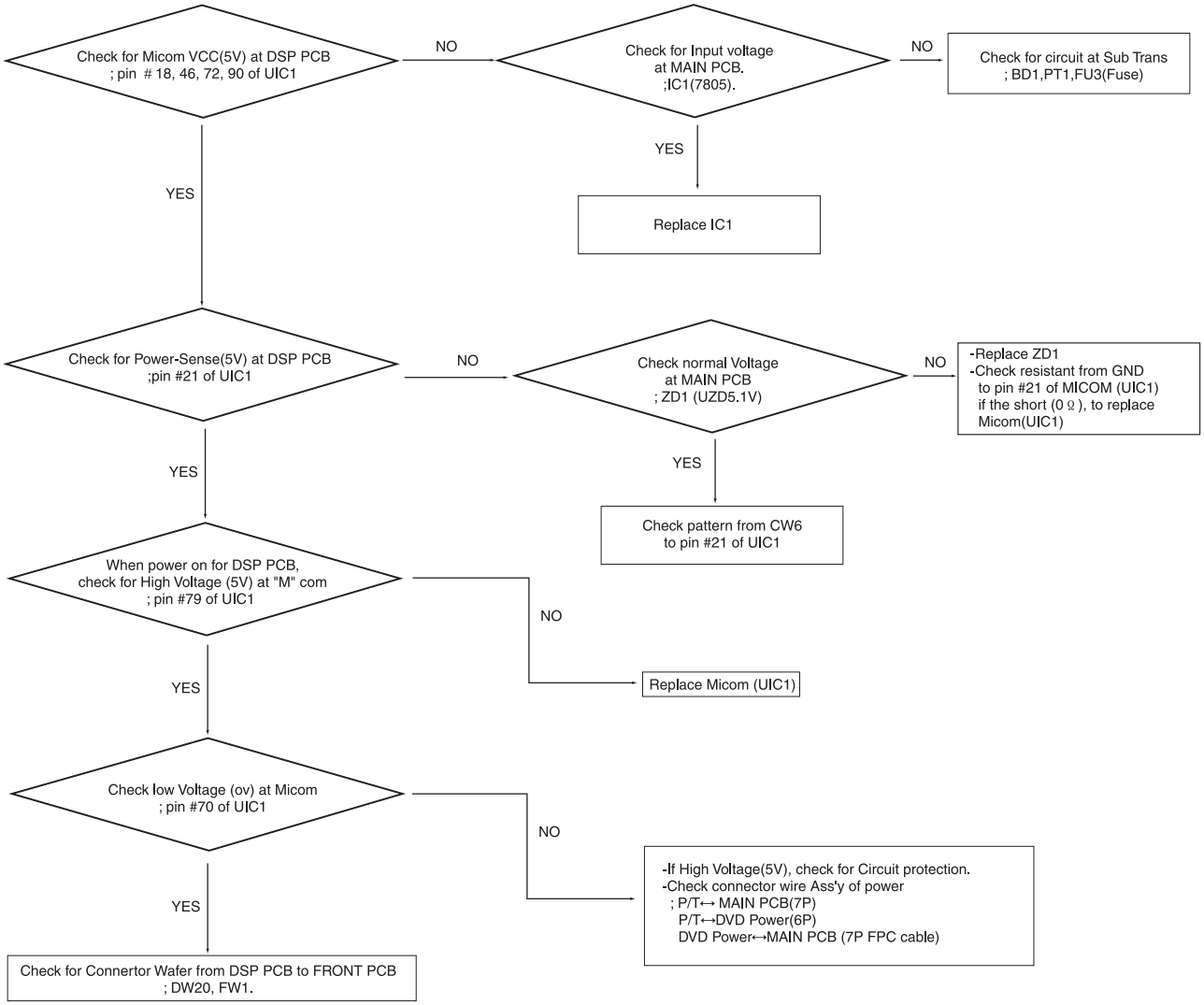
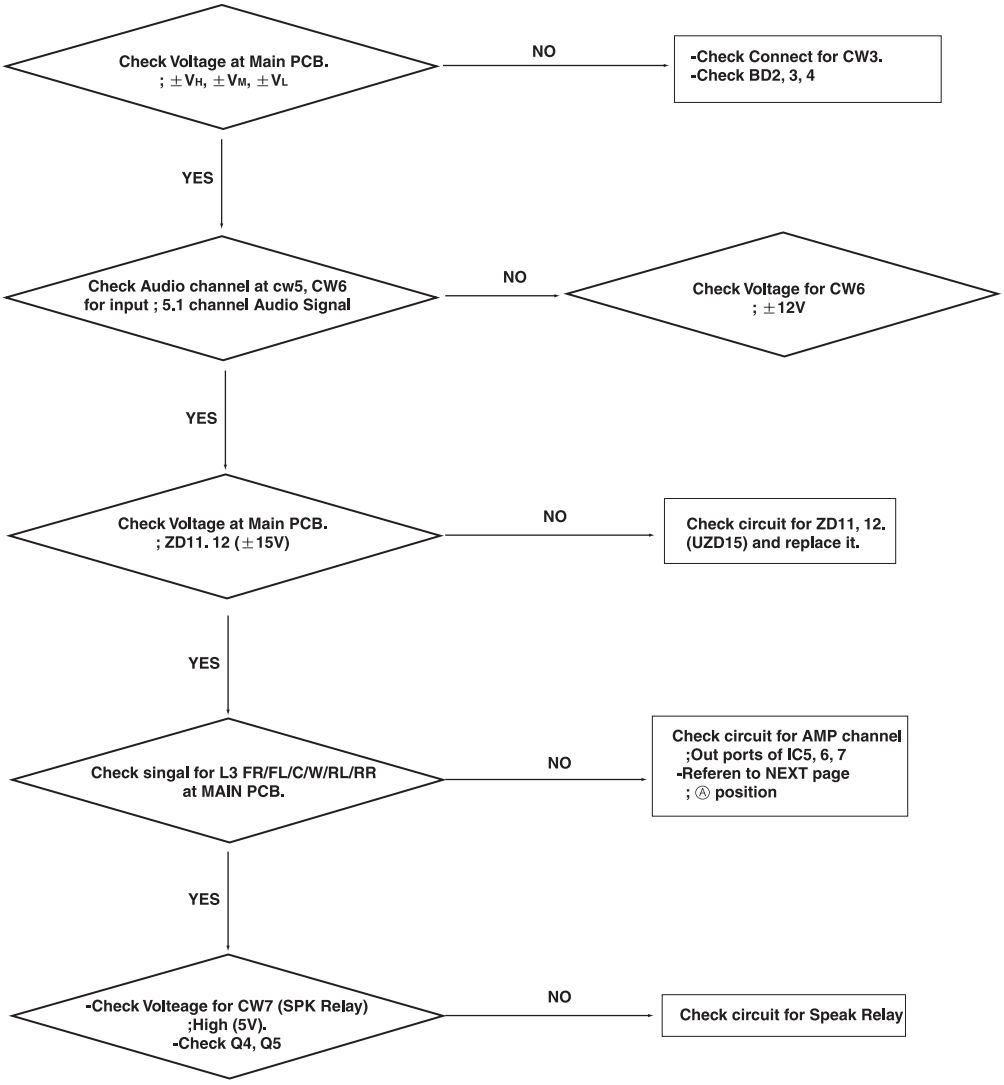
9. TroubleShooting

9-1 Main

1. Power

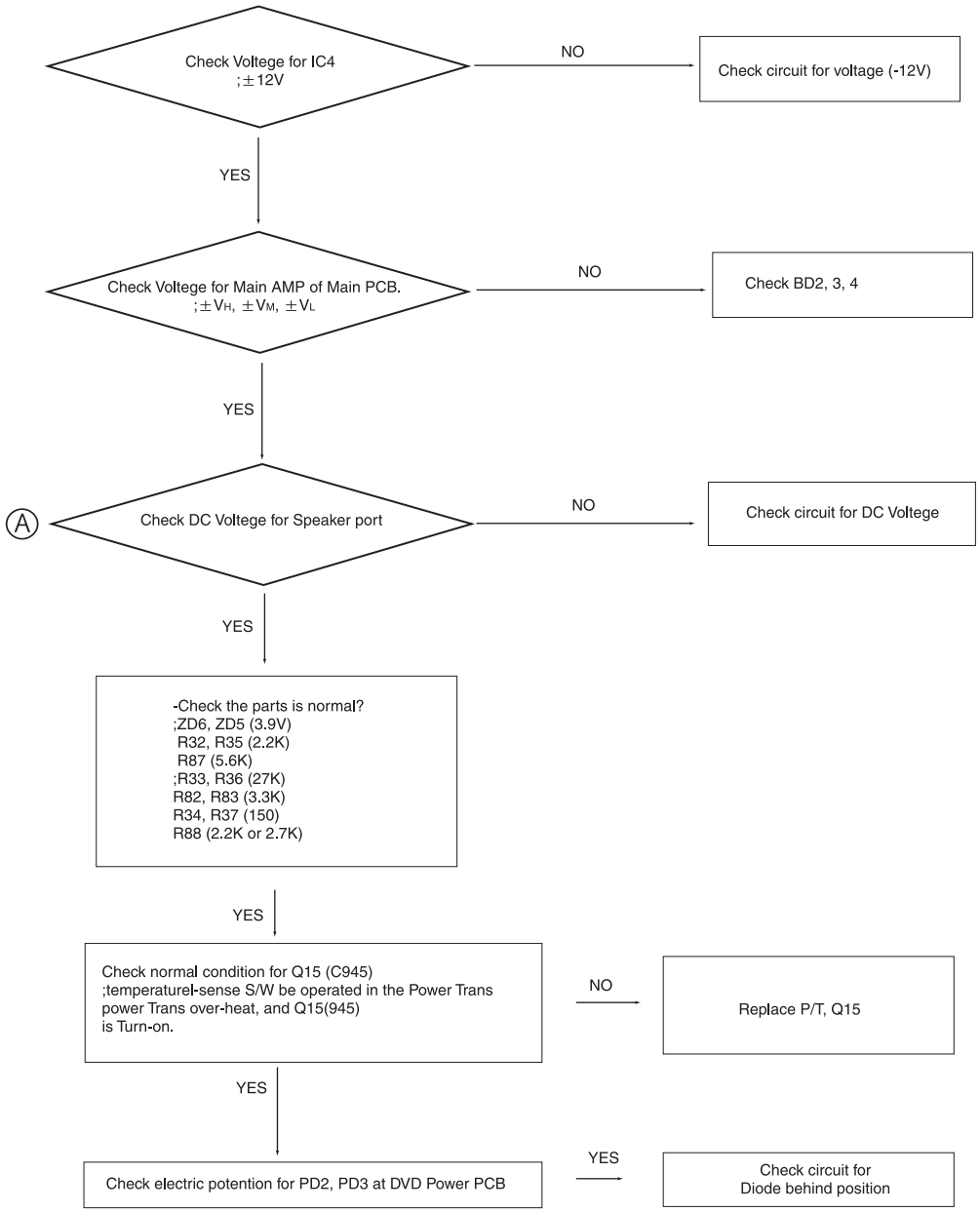


2. Output

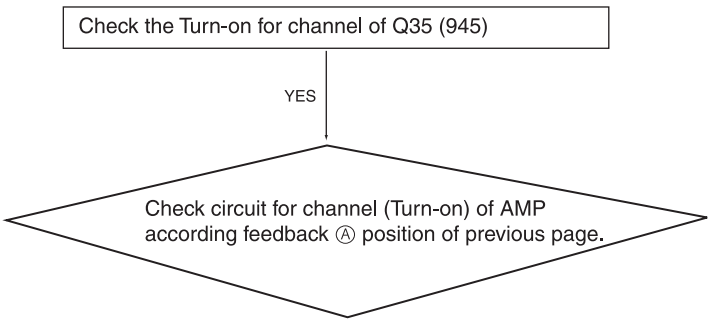

Check Voltage at Main PCB.
; ±VH, ±VM, ±VL
NO
-Check Connect for CW3.
-Check BD2, 3, 4
YES
Check Audio channel at cw5, CW6
for input ; 5.1 channel Audio Signal
NO
Check Voltage for CW6
; ±12V
YES
Check Voltage at Main PCB.
; ZD11. 12 (±15V)
NO
Check circuit for ZD11, 12.
(UZD15) and replace it.
YES
Check singal for L3 FR/FL/C/W/RL/RR
at MAIN PCB.
NO
Check circuit for AMP channel
;Out ports of IC5, 6, 7
-Referen to NEXT page
; Ⓐ position
YES
-Check Volteage for CW7 (SPK Relay)
;High (5V).
-Check Q4, Q5
NO
Check circuit for Speak Relay

3. Protection (When High Voltage at protection port)

3-1. In this case "LOW" for, Base port of Q12 (R2003 TR). at MAIN PCB



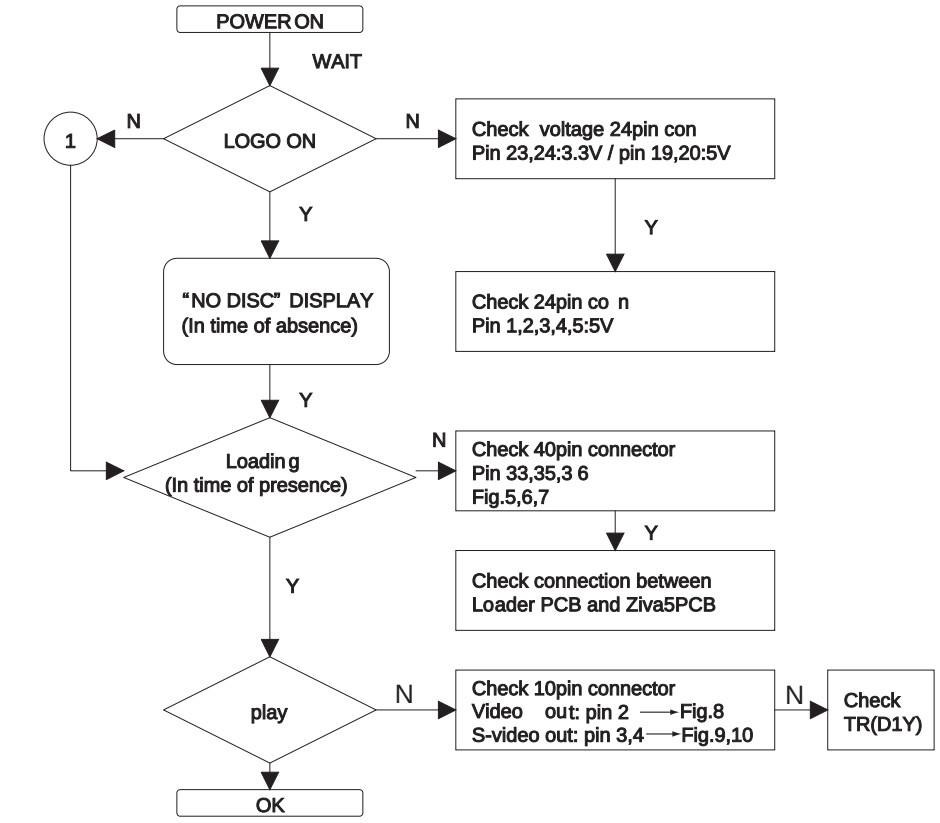
3-2. In this case "LOW" for Base port of Q13(A733) at Main PCB.


Check the Turn-on for channel of Q35 (945)
YES
Check circuit for channel (Turn-on) of AMP
according feedback Ⓐ position of previous page.

3-3. Check the Connector-Wire Ass'y Connect each PCB.
;DVD MECHA ↔ power (6p, pw4)
;DVD power PCB ↔ Main PCB (7p, FPC, pw5)
;Power Trans ↔ Main PCB (CW3)
;Power Trans ↔ DVD Power PCB (pw2)

9-2 ZIVA (DVD) PARTS

1. Initial operation after ON



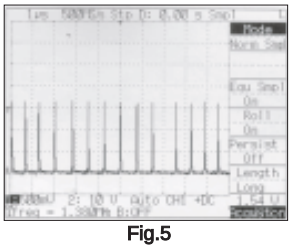


Fig.5

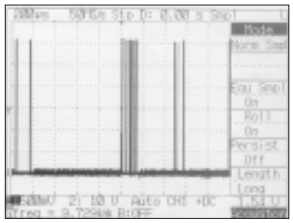


Fig.6

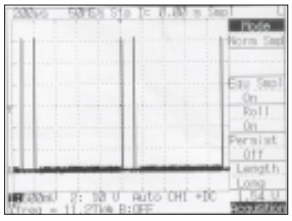


Fig.7

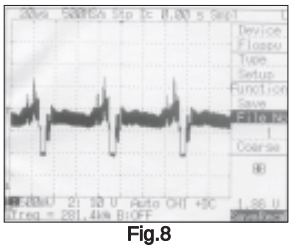


Fig.8

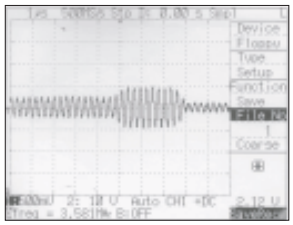


Fig.9

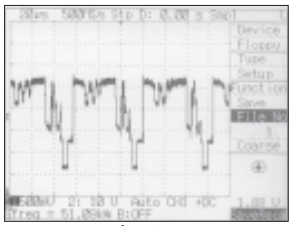
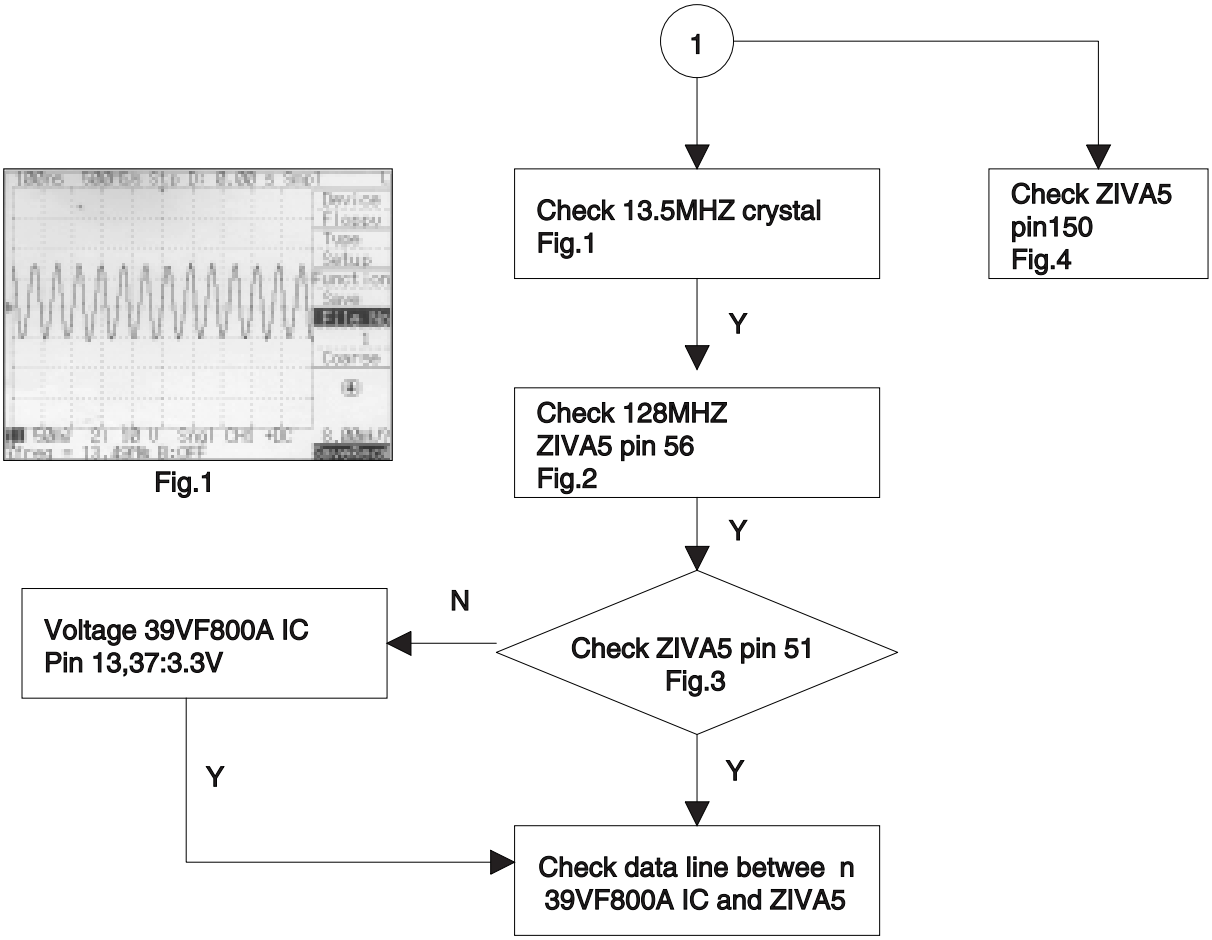


Fig.10

2. LOGO OPERATION

Fig.1



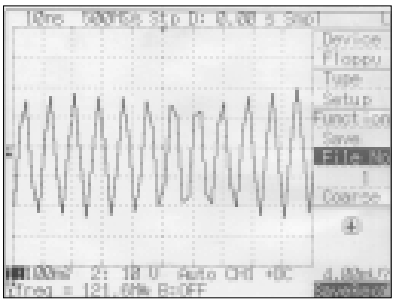


Fig.2

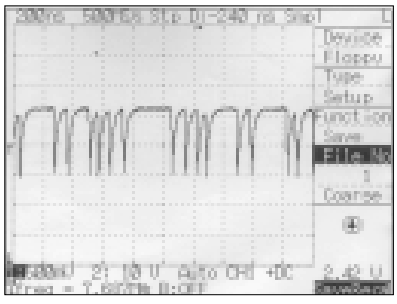


Fig.3

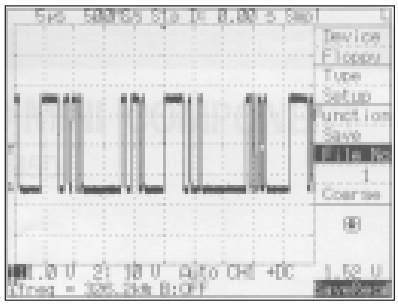
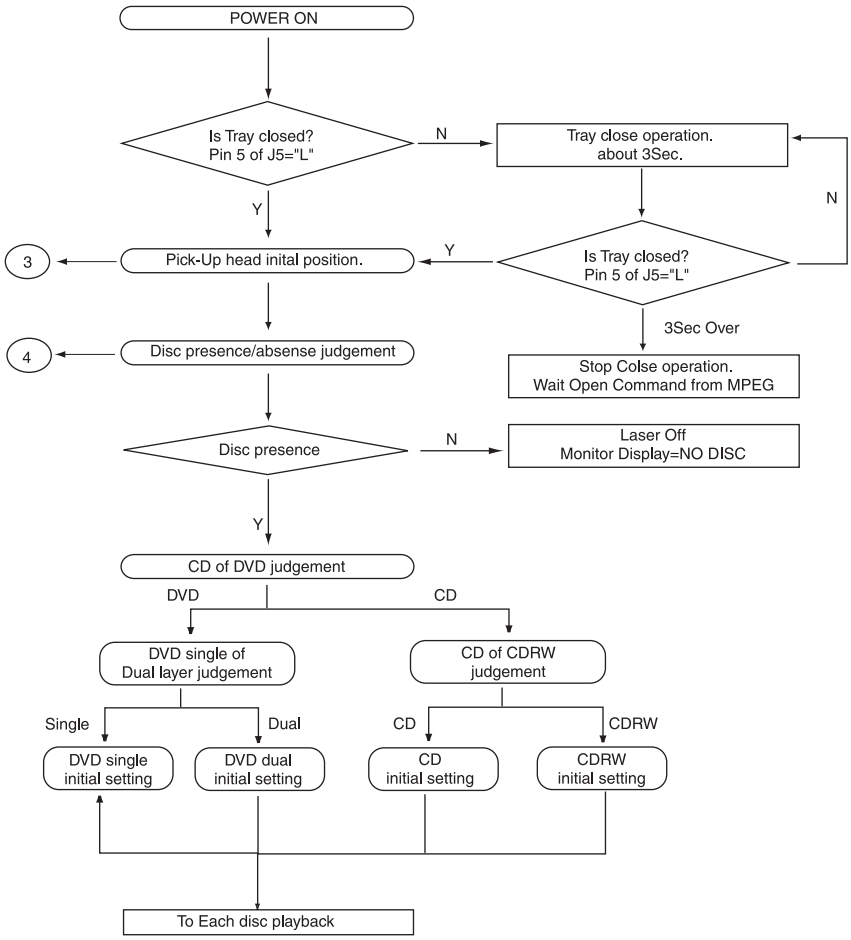
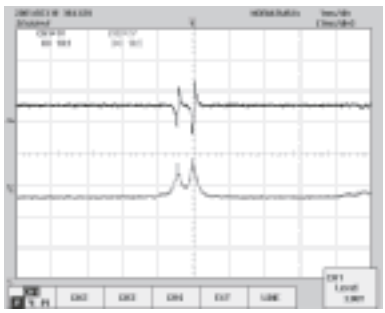


Fig.4

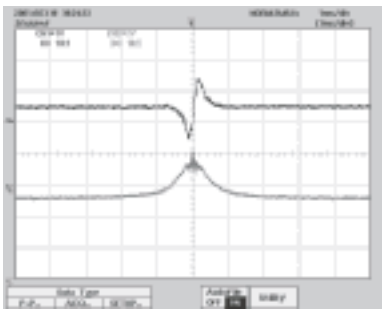
9-3 Loader(DVD) parts

1. Initial operation after power ON



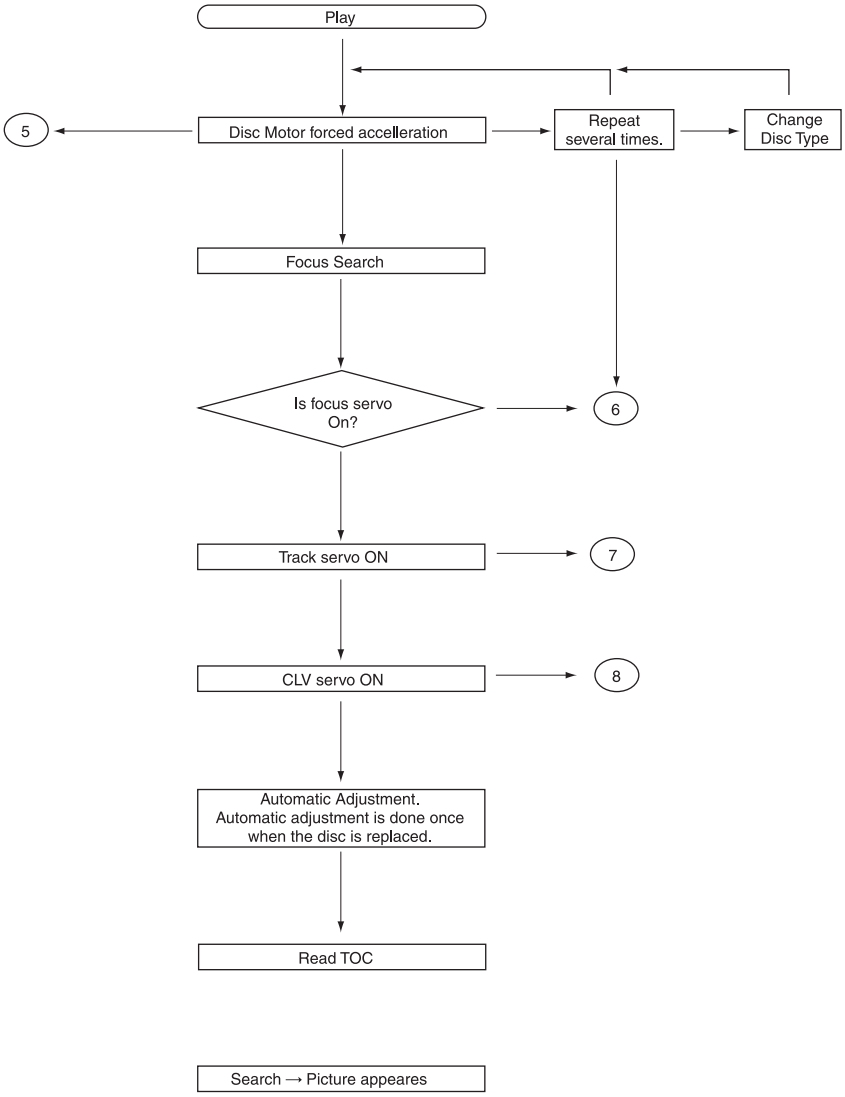


(DVD Dual)



(DVD Single)

2. Play Operation



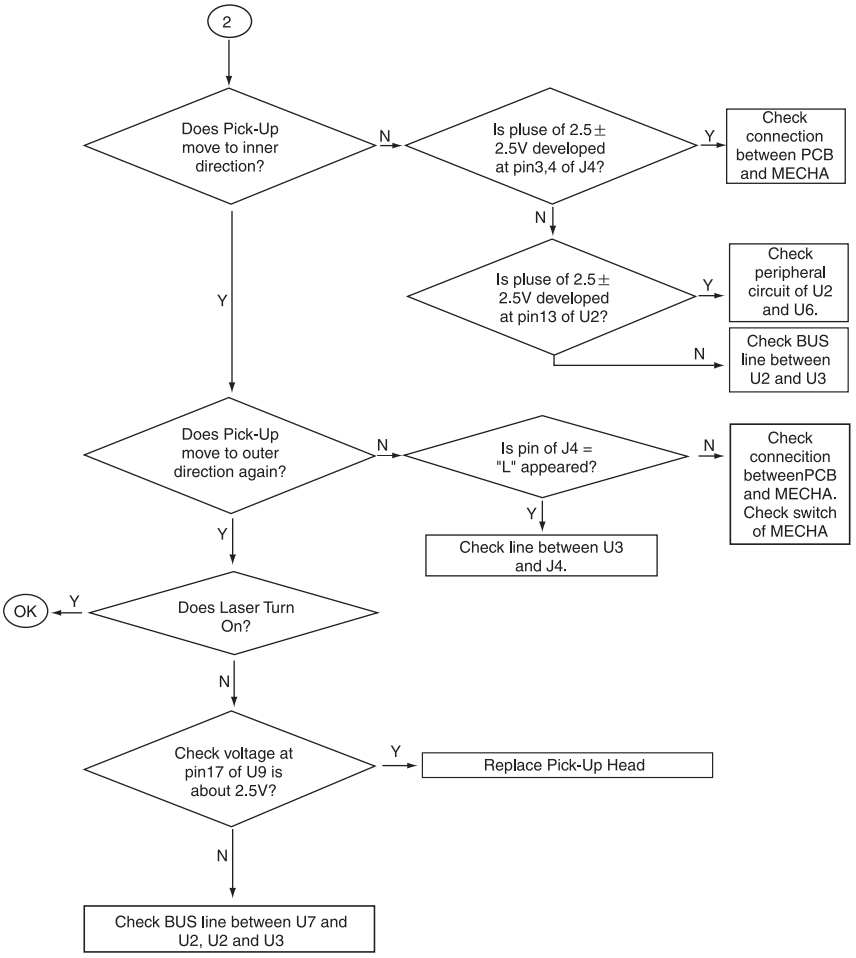
3. Pick-Up Head Initial Position

Pick-Up Head Initial Position

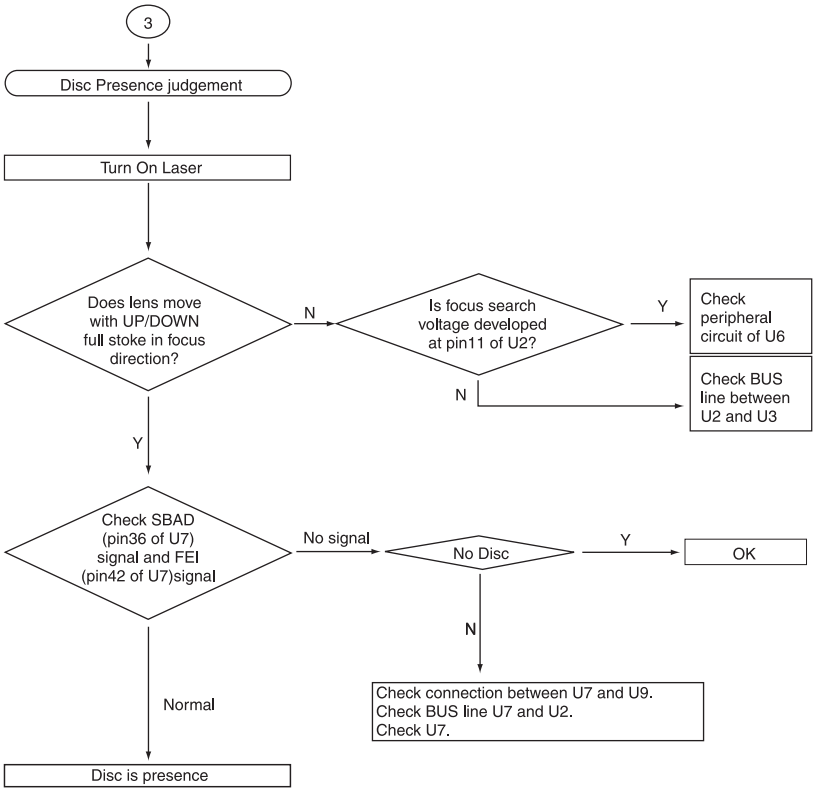
1.Move Pick-Up Head to inner direction until pin5 of J4 = "L"

2.If pin5 of J4 = "L", then move Pick-Up Head to outer direction for a short time.

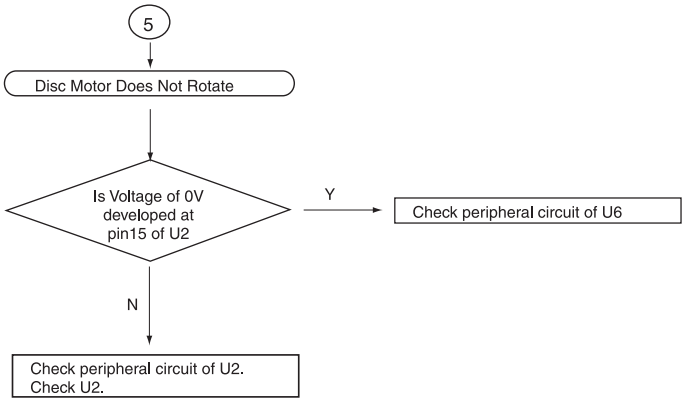
3.Turn On the Laser of Pick-Up Head to judge that disc is presence or not.



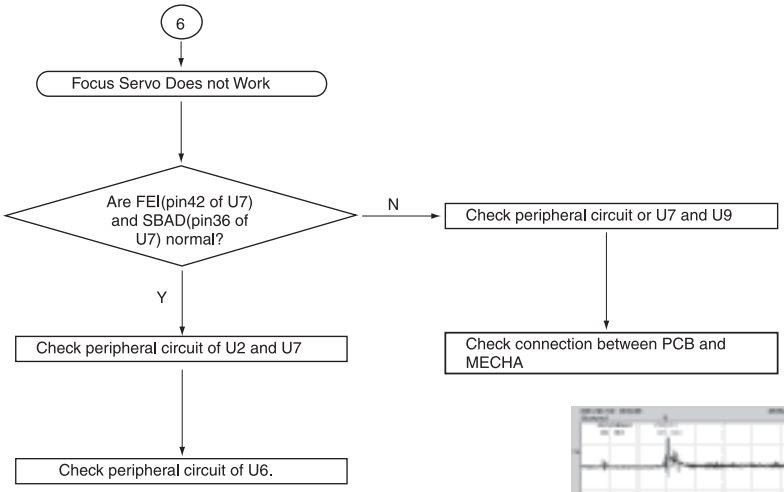
4. Disc Presence/Absense Judgment.



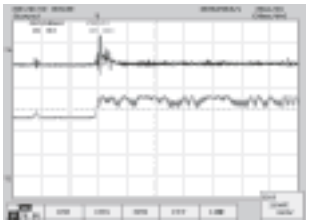
5.Disc Motor Does Not Rotate.

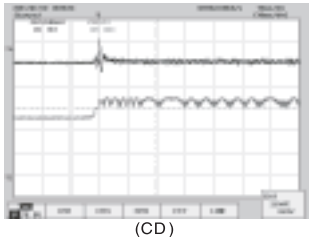


6.Focus Servo does not Work.

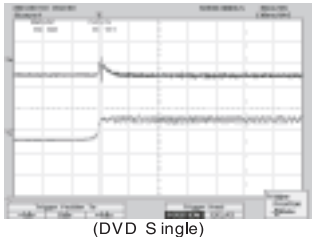

6
Focus Servo Does not Work
Are FEI(pin42 of U7) and SBAD(pin36 of U7) normal?
N
Check peripheral circuit or U7 and U9
Y
Check peripheral circuit of U2 and U7
Check connection between PCB and MECHA
Check peripheral circuit of U6.

(CD-RW)

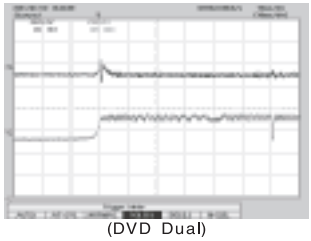




(CD)

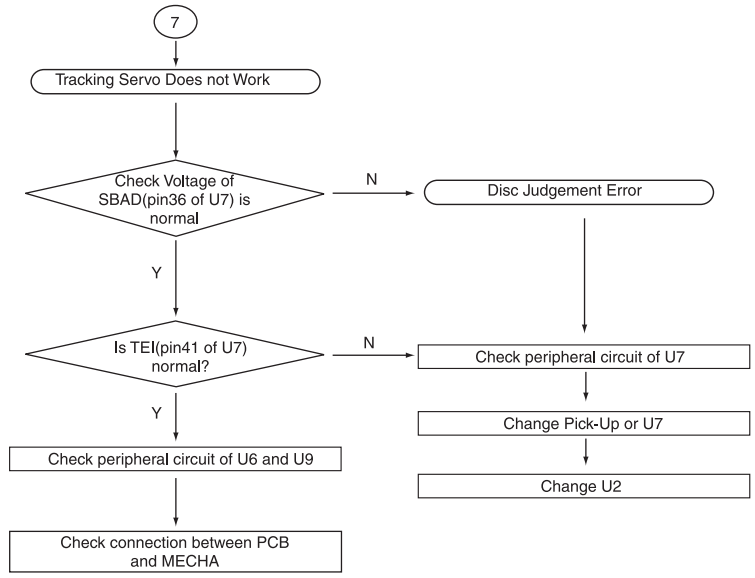


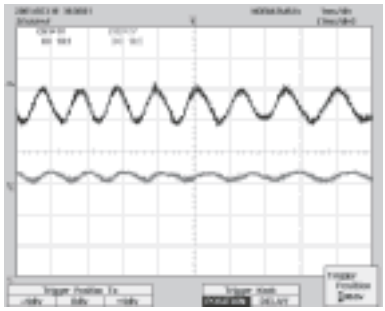
(DVD Single)

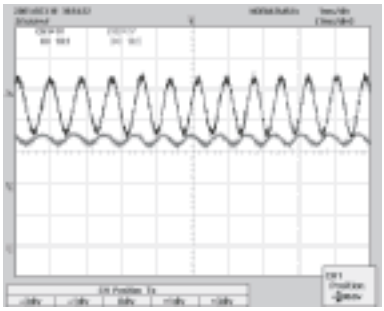


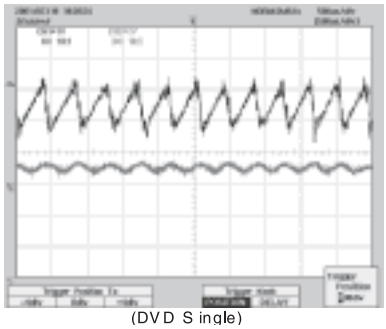
(DVD Dual)

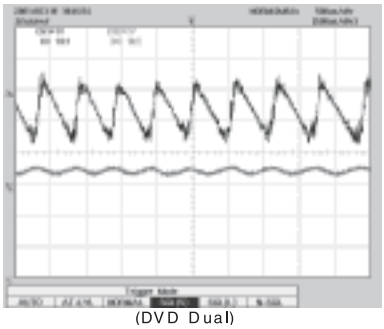
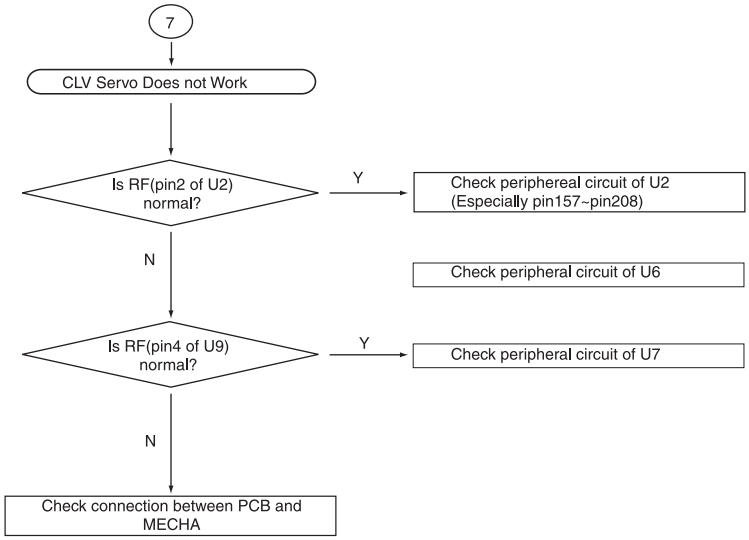
7. Tracking Servo Does Not Work




(CD)


(CD-RW)


(DVD Single)


(DVD Dual)

8.CLV Servo Does Not Work